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IN THE CLAIMS:

Please cancel Claims 1 - 30. Please add new Claims 31 - 34, as follows.

1 - 30. (Cancelled)

31. (New) A method of preventing diffusion from a copper conductive layer through an

underlying tantalum-comprising barrier layer, comprising:

(a) depositing said tantalum-comprising barrier layer in a manner such that said

tantalum-comprising barrier layer is variable in thickness and continuous, wherein at least a portion

of said tantalum-comprising barrier layer has a thickness in the range of about 5 Å, but not less than

5 Å; and

(b) depositing said copper layer over said tantalum-comprising layer.

32. (New) A method in accordance with Claim 31, wherein said tantalum-comprising layer is

tantalum.

33. (New) A method in accordance with Claim 31, wherein said tantalum-comprising barrier

layer is applied using physical vapor deposition.

34. (New) A method in accordance with Claim 33, wherein said physical vapor deposition

comprises a sputtering technique.

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